Data Sheet

We make sure

FUJITSU COMPUTERS SIEMENS

ESPRIMO Q Series
The mini with more PC per inch³

Issue August 2007

Pages 3

The ESPRIMO Q Series opens a new chapter on performance, size and design.

With its extremely small and stylish design, the new Professional Mini PC satisfies a so far unanswered business need: Professional PC is fashionable. Moreover, powered by latest Intel® Mobile Technology, the ESPRIMO Q Series is very silent and offers high energy efficiency.

Add an eye catcher to your desk instead of buying expandability you never use.

Reliability

- Excellent product quality in a stylish, elegant housing
- Product design and assembly of ESPRIMO Mini PC by Fujitsu Siemens Computers in Germany

Ergonomics

- Sophisticated system design provides the most silent system for an efficient working environment
- Extremely space saving for best usability where space an issue

Customizing

- Tailor-made products to meet customer individual requirements possible
- Perfect adaptation to customer specific needs - customizing cabinet with company logo and design

Security

- Access and data protection with sophisticated hardware and software components for data security
- Best physical and system security to protect your property

Energy Efficiency:

- Lower energy cost due to less power consumption
- Compared to a two years old typical PC system, the ESPRIMO Q Series saves at least 90 kWh a year.
- In regards to Total Cost of Ownership, this saves 13 €* energy cost per year e.g. in Germany*Calculation: 1h peak, 7h idle mode, 16h stand by off, 220 working day, 145 day off, 17€/kWh

New design with new platform

		Q5010	Q5020
Mainboard			
Chipset			
Northbridge		Intel 945GM	Intel GM965
Southbridge		ICH 7-M	ICH 8-M
Processor socket		Socket 479	Socket P
Front side bus		533 / 667 MHz	533 / 667 / 800 MHz
BIOS version		Phoenix Award BIOS	Phoenix Award BIOS
Flash EPROM BIOS update by software		x	x
Recovery BIOS		x	x
Processor			
Intel® Core™2 Duo		-	T7250 (2,0 GHz)
Second level cache		-	2048 KB
Front side bus (FSB)		-	800 MHz
Intel® Core™ Duo		T2300E (1.66GHz)	-
Second level cache		2048 KB	-
Front side bus (FSB)		667 MHz	-
Intel® Core™2 Duo (value4you)		-	Core™ 2 Duo 1,5 GHz
Second level cache		-	2048 KB
Front side bus (FSB)		-	667 MHz
Intel® Core™ Duo (value4you)		Core™ Duo 1.86 GHz	-
Second level cache		2048 KB	-
Front side bus (FSB)		533 MHz	-
Intel® Celeron		-	540 (1,86 GHz)
Second level cache		-	1024 KB
Front side bus (FSB)		-	533 MHz
Intel® Celeron M		M440 (1.86GHz)	-
Second level cache		1024 KB	-
Front side bus (FSB)		533 MHz	-
Memory			
Memory support		DDR2	DDR2
DIMM slots		1	2
dual channel support		-	x
Max. capacity DDR SDRAM 400 MHz		-	-
Max. capacity DDR2 SDRAM 533 MHz		up to 2 GB with future modules	up to 4 GB
Max. capacity DDR2 SDRAM 667 MHz		up to 2 GB with future modules	up to 4 GB
Interfaces			
Mouse/keyboard (PS2)		-	-
Serial (9pi, 16 byte FIFO, 16550 compatible)		-	-
Parallel (25pin with EPP and ECP)		-	-
Display (15 pin, VGA)		via DVI to VGA-Adapter	via DVI to VGA-Adapter
Display (DVI)		1	1
TV-out		1x S-Video	1x S-Video
Micro (mono) rear		1	1
Line in (stereo) rear		1	1
Line out (stereo) rear		1	1
Micro (mono) front		-	-
Headphone in front		-	-
SPDIF out		optical	optical
LAN RJ45		1	1
Universal Serial Bus (USB 2.0) in total		4	4
therefore	USB rear	2	2
	USB front	2	2
	USB internal	-	-
FireWire		1	1
WLAN 802.11 g 54 Mbit		optional	optional
Bluetooth V2.0		optional	optional
LAN on board		x	x
10/100/1000 MBit/s		x	Intel 82566MM
Wake up on LAN (WOL)		x	x
PXE		x	x
BootP		-	-
Audio on board			
Internal speaker supports audio playback		-	-
High definition audio		RealTek ALC883	RealTek ALC888
I/O controller onboard			
Fast IDE/Ultra DMA-100 bus master capability		x	x
Serial ATA II (NCQ/3GBit)		1	1
Raid 1/0		-	-
Hard disk drives			
Serial ATA 40/80/120/160 GB		-/x/x/-	-/x/x/x
Serial ATA II		-	x
supporting NCQ and 3GBit (if chipset support is available)		-	x
Optical drives (IDE)			
CD-RW Combo drive		x	x
DVD+/- RW Dual layer (+R) Multiformat DVD writer with double layer support		x	x
Slots			
mini PCI		1 (internal)	-
miniCard		-	2 (internal)
PCI		-	-
PCI Express x16		-	-
PCI Express x1		-	-
Graphic on board		Intel® GMA950	Intel® GMA3100
Direct X9		x	x

	Q5010	Q5020
DualView	DVI and VGA	DVI and VGA
Max. resolution for external displays	1920 x 1200 / true color / 75 Hz (tbc.)	1920 x 1200 / true color / 75 Hz (tbc.)
Power supply		
AC adapter	19V/65W	19V/90W
Rated voltage (AC input) 100 - 240 V	x	x
Rated frequency 50 - 60 Hz	x	x
DC output	19 V, 3.42 A	19 V, 4,74 A
Power consumption for standard configuration (W)	T2300E (1.66GHz)	T7250 (2,0 GHz)
Maximum (S0, running app. CD in use)	45W	54W
Average (S0, running OS, Idle mode)	26W	29W
Stand by (S3, energy saving modus, WOL enabled)	-	-
Minimum (ACPI status S5, soft off, WOL enabled)	2,6W	2,7W
Heat dissipation (kJ/h / BTU/h) / CPU		
Maximum (S0, running app. CD in use)	162 kJ/h / 154 BTU/h	194 kJ/h / 184 BTU/h
Average (S0, running OS, Idle mode)	94 kJ/h / 89 BTU/h	104 kJ/h / 99 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	-	-
Minimum (ACPI status S5, soft off, WOL enabled)	9,4 kJ/h / 8,9 BTU/h	9,7 kJ/h / 9,2 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h		
Noise for standard configuration (HDD, ODD)		
A weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)), (bystander position) (ISO9296)		
Operation mode 1: ODD load (Blue angel requirement)	-	tbd
Operation mode 2: HDD load (Blue angel requirement)	4,9B / 35 dB	tbd
Operation mode 3: CPU 90% load (Blue angel requirement)	-	tbd
Operation mode 4: High load	-	tbd
Operation mode 5: Office applications	4,0B / 26dB	tbd
Idle mode (Blue angel requirement)	3,9B / 25dB	tbd
Operating temperatures		
Ambient temperature (IEC 721)	5° - 35° C	5° - 35° C
Relative humidity (non-condensing)	20% - 85%	20% - 85%
Dimensions (H x W x D)	50 x 165 x 165 mm	50 x 165 x 165 mm
Operating position (vertical/horizontal)	- / x	- / x
Weight (depending on config)	1.7 kg	1.7 kg
Approvals and standards		
CE certification according to EU Directives 89/336/EEC (EMC) and 06/05/EC (Product safety)	x	x
Ergonomics ISO9241 (GS mark)	-	-
Product safety IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x	x
Electromagn. compatibility EN55022/B, FCC class B, EN55024, EN61000-3-2/3	x	x
Environmental compatibility		
Energy Star	-	x (4.0)
Blue Angel 2007	-	-
Nordic Swan	-	-
Software (compatibility / preinstalled)		
Microsoft Windows XP Home	x / -	x / -
Microsoft Windows XP Professional	x / optional	x / optional (DVD)
Microsoft Windows Vista® 32bit	x / optional	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	x	-
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	-	x
Additional Software (compatibility / preinstalled)		
Recovery DVD (Microsoft Windows XP / Vista)	x / optional	- / optional
Adobe Acrobat Reader	x	x
Driver and Utility DVD	x	x
Nero	x (with combo or DVD RW drive)	x (with combo or DVD RW drive)
Norton Internet Security (incl. Firewall) on Driver and Utility CD	x	x
WinDVD for MPEG II decode	optional	optional
Security		
Physical security		
Kensington Lock support	x	x
User Security		
User and supervisor BIOS password	x	x
Hard disk password	-	-

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